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Ontario

Ministry of
Natural
Resources

Government
Publications

CA24N
NR 140
P 66

Mineral Resources Group

(Ontario Geological Survey &
Mineral Resources Branch)

PUBLICATIONS RELEASE NOTICE

for

MAY 13, 1982



This month's publications include:

- 7 OGS Sudbury Data Series Maps
- 1 OGS Precambrian Geology Preliminary Map
- 5 OGS Paleozoic Geology Preliminary Maps
- 2 OGS Coloured Maps
 - Geological Highway Map, Southern Ontario (Reprint)
 - Burntbush - Detour Lakes Area, District of Cochrane
- 1 OGS Report
 - Precambrian Geology of the Long Lake Area, Lennox and Addington, and Frontenac Counties
- 1 Industrial Mineral Background Paper
 - Ontario Industrial Minerals
- 1 OGS Miscellaneous Publication
 - Southwestern Ontario Geological Survey - An Information Booklet
- 3 OGS Open File Reports
 - Precambrian Geology of the Farrington Lake Area, District of Kenora
 - Physical Volcanology and Stratigraphy of the Confederation Lake Area, Districts of Kenora, Rainy River and Thunder Bay
 - Chemistry of Grenville Carbonate Rocks, Southern Ontario

See inside for details

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Toll-free from Area Code 807, 0-ZENITH-67200

**MINERAL RESOURCES GROUP
(ONTARIO GEOLOGICAL SURVEY & MINERAL RESOURCES BRANCH)
PUBLICATIONS RELEASE NOTICE**

May 13, 1982

List No. 7/82

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OGS P. NUMBER MAPS

All P. number maps are 50 cents each unless otherwise specified.

- P.2463* **Beaumont Township**, Sudbury District (41 I/14, 41 P/3);
Sudbury Data Series, Data compiled by Richard
Adlington, 1981.
Scale 1:15 840 or 1 inch to 1/4 mile.
- P.2464* **Emo Township**, Sudbury District (41 I/13, 41 I/14);
Sudbury Data Series. Data compiled by Richard
Adlington, 1981.
Scale 1:15 840 or 1 inch to 1/4 mile.
- P.2466* **Botha Township**, Sudbury District (41 I/14); Sudbury
Data Series. Data compiled by Richard Adlington, 1981.
Scale 1:15 840 or 1 inch to 1/4 mile.
- P.2468* **Creelman Township**, Sudbury District (41 I/14, 41 I/15);
Sudbury Data Series. Data compiled by Richard
Adlington, 1981.
Scale 1:15 840 or 1 inch to 1/4 mile.
- P.2470* **Kitchener Township**, Sudbury District (41 I/14); Sudbury
Data Series. Data compiled by Richard Adlington, 1981.
Scale 1:15 840 or 1 inch to 1/4 mile.
- P.2471* **Hutton Township**, Sudbury District (41 I/14, 41 I/15);
Sudbury Data Series. Data compiled by Richard
Adlington, 1981.
Scale 1:15 840 or 1 inch to 1/4 mile.
- P.2474* **Cartier Township**, Sudbury District (41 I/11, 41 I/12);
Sudbury Data Series. Data compiled by Richard
Adlington, 1981.
Scale 1:15 840 or 1 inch to 1/4 mile.
- P.2487++ **Precambrian Geology of the Ardoch Area**, Southern
Ontario (31 C/15). Geology by Liba Pauk and George
Mannard, 1980.
Scale 1:15 840 or 1 inch to 1/4 mile.

- P.2493++ **Paleozoic Geology of the Kemptville Area, Southern Ontario (31 G/4).** Geology by D.M. Carson and assistants, 1981.
Scale 1:50 000.
- P.2494++ **Paleozoic Geology of the Merrickville Area, Southern Ontario (31 B/13).** Geology by D.M. Carson and assistants, 1981.
Scale 1:50 000.
- P.2495++ **Paleozoic Geology of the Brockville-Mallorytown Area, Southern Ontario (31 B/12,5).** Geology by D.M. Carson and assistants, 1981.
Scale 1:50 000.
- P.2496++ **Paleozoic Geology of the Gananoque-Wolfe Island Area, Southern Ontario (31 C/8,1).** Geology by D.M. Carson and assistants, 1981.
Scale 1:50 000.
- P.2497++ **Paleozoic Geology of the Bath-Yorkshire Island Area, Southern Ontario (31 C/2; 30 N/15).** Geology by D.M. Carson and assistants, 1981.
Scale 1:50 000.

OGS COLOURED GEOLOGICAL MAPS

All coloured maps are \$1.00 each unless otherwise specified.

- Map 2441 **Geological Highway Map, Southern Ontario.** Edited by (Reprint) E.B. Freeman, revised 1979.
Scale 1:800 000.

Stock No. 10 637

- Map 2453*** **Burntbush-Detour Lakes Area, District of Cochrane (32 E/4, 32 E/5, 32 E/12, 32 E/13).** Geology by G.W. Johns and assistants, 1978.
Scale 1:100 000.

Stock No. 10 649

ONTARIO GEOLOGICAL SURVEY REPORT

- Report 216 **Geology of the Long Lake Area, Lennox and Addington and Frontenac Counties;** by J.M. Wolff, 76p.
Accompanied by Map 2449, scale 1:31 680 or 1 inch to 1/2 mile. (Stock No. 6430).

Price: \$5.00

MINERAL RESOURCES BRANCH PUBLICATION

- IMBP 2 **Ontario Industrial Minerals** by D. Geoffrey Minnes, 52p.
Released April 22nd, 1982 Free of charge

MISCELLANEOUS PUBLICATION

++Sogs - Southeastern Ontario Geological Survey, 12 p.
Printed in English and French. (Stock No. 5007).
Free of charge

This is an information booklet that outlines the aims and objectives of the Southeastern Ontario Geological Survey Program. Under the Eastern Ontario Subsidiary Agreement, the Governments of Canada and Ontario have agreed to share equally the cost of a special mineral resource assessment program of Eastern Ontario. This program is designed to improve and update knowledge of the geology and mineral potential of the region with the aim of stimulating mineral exploration by the private sector.

The above publications may be purchased from the Ministry of Natural Resources, Public Service Centre, Room 1640, Whitney Block, Queen's Park, Toronto, Ontario M7A 1W3.

All Mineral Resources Group (Ontario Geological Survey and Mineral Resources Branch) final reports, from 1891 to present, are available for purchase on microfiche (42 x reduction) for 50 cents each from both the Map Unit, Public Service Centre and the Ontario Government Bookstore. The maps to accompany these reports can be purchased (if in print) from the Map Unit, Public Service Centre. For a complete list of all final reports issued by the Mineral Resources Group please consult OGS MP77 (\$2.00) and OGS MP 77, Supplements (\$2.00).

OGS OPEN FILE REPORTS

OFR 5354 **Geology of the Farrington Lake Area, District of Kenora;** by J.R. Trusler; 101p., 15 tables, 12 figures and 1 map.

The map-area located 240 km north-northwest of Thunder Bay, is underlain by Archean rocks. An older mafic volcanic sequence was intruded by sheet-like trondhjemite batholiths and subsequently metamorphosed. The sequence of mafic to felsic (dominantly pyroclastic) metavolcanics and metasediments that post-date the older rocks has been intruded by younger elliptical granodiorite to granite stocks. The supracrustal rocks and some of the granitic rocks have been folded at least twice, and have been dislocated by an east-west fault. Potential exists for zinc and copper mineralization in pyroclastic metavolcanic and intercalated metasedimentary rocks.

On file at Mines Library, Toronto, and Resident Geologist's office, Sioux Lookout.

OFR 5373 **Physical Volcanology and Stratigraphy of the Confederation Lake Area**, by P.C. Thurston, 191p., 18 tables, 20 figures, 7 photographs and 3 maps.

Released April 23, 1982

This report describes a synoptic project covering 375 square miles in the southern part of the Uchi-Confederation Lakes Area and represents a substantial part of a Ph.D thesis submitted to the University of Western Ontario.

The report describes the stratigraphy of 3 cycles of mafic to felsic volcanism including geochronologic data, and a paleovolcanologic reconstruction. Geochemical work done as part of this synoptic project will be described in a separate Geoscience Study to be available shortly.

On file at the Mines Library, Toronto, and the Resident Geologists' offices in Red Lake, Kenora, Sioux Lookout and Thunder Bay.

OFR 5378++ **Chemistry of Grenville Carbonate Rocks**, by V.C. Papertzian and P.W. Kingston, 79p., 1 figure, 1 table and 1 map.

This Open File Report will be released on May 26, 1982, at the Industrial Minerals Seminar, Ottawa.

In Toronto, most Open File Reports can be viewed at the Mines Library, 8th floor, 77 Grenville Street, but to obtain paper copies the users are requested to make their own photocopying arrangements with Paragon Industrial Photographic Reproductions Ltd., 1160 Ellesmere Road, Scarborough, M1P 2X4, (416) 291-2542. This company will invoice each user directly for any photocopying ordered.

These Open File Reports are also available on microfiche (42 x reduction) for \$2.00 each at the Mines Library, 8th floor, 77 Grenville Street. Mail orders for microfiche should be accompanied by a cheque or money order made payable to the Treasurer of Ontario and addressed to the Ministry of Natural Resources, Mines Library, 8th floor, 77 Grenville Street, Toronto, Ontario, M5S 1B3.

*This project was funded by the Ontario Ministry of Northern Affairs.

***This project was funded by the Ontario Ministry of Northern Affairs through the Northern Affairs Geological Survey (NAGS) program.

++This project was funded equally by the Federal Department of Regional Economic Expansion and the Ontario Ministry of Natural Resources under the Minerals Program of the Eastern Ontario Subsidiary Agreement.

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ERRATA - APRIL 8 RELEASE LIST

MP 102 Rocks to Riches, 86p. (Stock No. 6790).
The price of this report is \$5.00, not \$2.00 as stated in the Publications Release Notice.

P.2499 Oil and Gas Pools and Pipelines of Southwestern Ontario. The price of this map is \$1.50 and not 50¢ as stated in the Publications Release Notice.

23/04/82



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Mineral Resources Group

(**Ontario Geological Survey &
Mineral Resources Branch**)

PUBLICATIONS RELEASE NOTICE

for

JUNE 11, 1981



This month's publications include:

- 2 OGS Precambrian Geology Preliminary Maps
- 1 Miscellaneous Publication
- 6 OGS Open File Reports

See inside for details

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**MINERAL RESOURCES GROUP
(ONTARIO GEOLOGICAL SURVEY & MINERAL RESOURCES BRANCH)
PUBLICATIONS RELEASE NOTICE
JUNE 11, 1981**

List No. 8/81

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OGS PRELIMINARY MAPS

All preliminary maps are 50 cents each unless otherwise stated.

- P.2404 **Precambrian Geology of the Drag Lake Area, Haliburton County**, Southern Ontario (31 E/1W). Geology by N.G. Culshaw and assistants, 1980.
Scale 1:15 840 or 1 inch to 1/4 mile.
- *P.2406 **Precambrian Geology of the Molybdenite Lake Area Covering Parts of André and Bailloquet Townships**, Algoma District (42 C/2). Geology by Z.L. Mandziuk, P.A. Studemeister and assistants, 1980.
Scale 1:15 840 or 1 inch to 1/4 mile.

MISCELLANEOUS PUBLICATION

The following brochure is presently available to the public free of charge.

Collecting Ontario's Amethyst, Ontario Ministry of Natural Resources and Ontario Ministry of Northern Affairs (Stock No. 5028).

OGS OPEN FILE REPORTS

OFR 5341

Geology of the Fungler Lake Area, District of Thunder Bay; by R.H. Sutcliffe, 120p., 11 figures, 7 tables, 10 photographs, and 4 maps (in back pocket).

This area lies northwest of Armstrong and prior to this report only reconnaissance level information was available on the geology. The area was presumed to be underlain by granitic rocks but much uncertainty existed with respect to possible extension of the Linklater Lake volcanic rocks from the east into the area, the presence and character of anorthositic and gabbroic rocks in the area, and the presence of a major mylonitic fault zone extending from Pashkokogan Lake in the west, through the area. As a first step in assessing the mineral potential it was necessary to map the area at a detailed scale to determine the presence, extent and character of these rock units which have potential base metal, lithium, chromite and uranium mineralization associations.

On file at Mines Library, Toronto**, and Resident Geologist's Office, Thunder Bay.

*OFR 5343

Geology of the Klob Lake Area, District of Thunder Bay; by S.E. Amukun, 135p., 8 tables, 4 figures, 14 photographs, and 1 map.

The map-area (390 km²) is located 30 km east of Longlac and includes Early Precambrian lithologies of the Wabigoon and Quetico structural subprovinces at the eastern limit of the Beardmore-Geraldton Supracrustal Belt. The Quetico rocks occur in the south as a progressively metamorphosed turbidite sequence with gneissic and metatectic migmatite components. To the north rocks of the Wabigoon subprovince consist of mafic to intermediate metavolcanic flows and flow breccias and minor amounts of felsic metavolcanics. Three granite stocks intrude the metavolcanics, and regional metamorphism ranges from lower greenschist to lower amphibolite facies. Supracrustal rocks face north and are unfolded but prominently faulted. Gold deposits in the area have been investigated since the 1930s, however, producing mines have not been developed. The author recommends deep penetrating geophysical surveys over known gold-hosting lithologies covered by thick overburden.

On file at Mines Library, Toronto**, and Resident Geologist's office, Thunder Bay.

- *OFR 5344 **Geology of the Capreol Area** , District of Sudbury; by T.L. Muir, 168p., 4 figures, 21 photographs, 6 tables and 4 maps.

The map-area is located about 28 km north of Sudbury and covers 239 km². The basement consists of a complex granite-gneiss-migmatic terrain containing amphibolitized mafic metavolcanics. Lenses of metavolcanics which contain apparently barren sulphides, occur near the perimeter of the Sudbury Basin. Even though Huronian rocks occur in a small part of the area, the potential for finding gold, uranium, and skarn deposits in them is great. The author gives an account of the nomenclature of the complex group of rocks which forms the Sudbury Basin. These rocks are not well exposed in the map-area, and the author recommends that diamond drilling is the only way to outline the Sublayer Zone and Offset Dikes which might contain nickel, copper, platinum, and gold. Also, further investigative work with respect to platinum and gold in association with nickel and copper is recommended.

On file at Mines Library, Toronto**, and Resident Geologist's office, Sudbury.

- OFR 5347 **Geology of the Chiniguchi Lake Area** , DeMorest, McConnell and Telfer Townships, District of Sudbury; by B.O. Dressler; 40p., 2 tables, 3 figures, 2 photographs and 2 maps.

On file at Mines Library, Toronto**, and Resident Geologist's office, Sudbury.

- OFR 5348 **Geology of Cabot and Kelvin Townships** , District of Sudbury; by M.W. Carter, 112p., 16 tables, 8 photographs, 6 maps.

On file at Mines Library, Toronto**, and Resident Geologist's office, Sudbury

- OFR 5349 **Ontario Geoscience Research Grant Program Final Research Reports, 1978-1980** , 315 p. Includes the following reports:

Host Rock Alteration at the Silverfields Mine, Cobalt, Ontario (Grant #70, 1979-80); by E.C. Appleyard, University of Waterloo, 87p.

Geology of the Jogran Disseminated Cu-Mo Deposit, Ryan Township, Ontario (Grant #48, 1978-80); by G.A. Armbrust, University of Ottawa, 17p.

Ages and Initial ^{87}Sr - ^{86}Sr Ratios from Alkalic Complexes of Ontario (Grant #42, 1978-80); by K. Bell, Carleton University, 2lp.

Structural Fabric and Uranium Distribution in Shear-Zones Near Cardiff, Ontario (Grant #47, 1978-80); by W.V. Fyson, University of Ottawa, 23p.

Engineering Properties of Sedimentary Rocks in Southwestern Ontario and on Manitoulin Island (Grant #37, 1978-80); by P.P. Hudec, University of Windsor, 116p.

A Structural Analysis of the Central Part of the Shebandowan Metavolcanic-Metasedimentary Belt (Grant #14, 1978-80); by W.M. Schwerdtner, University of Toronto, 47p.

On file at Mines Library, Toronto** and Regional and all Resident Geologists' offices.

*These publications were funded by the Ontario Ministry of Northern Affairs.

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20/05/81

PUBLICATIONS RELEASE NOTICE

APRIL 11, 1985

List No. 4/85

Mineral Resources Group (Ontario Geological Survey & Mineral Resources Branch)

This month's publications include:

22 OGS Preliminary Maps

9 OGS Geological Data Inventory Folios

2 OGS Coloured Maps

Precambrian Geology of the Calm Lake Area, Rainy River District

Precambrian Geology of MacDowell Lake Area, Kenora District

8 OGS Open File Reports

Precambrian Geology of the Lumby Lake Area (Western Half),
District of Kenora

Precambrian Geology of the Lumby Lake Area (Eastern Half),
District of Kenora

Base Metal, Molybdenum and Precious Metal Deposits of the
Madoc-Sharbot Lake Area

Aggregate Resources Inventory of Hullett Township, Huron
County

Quaternary Geology of the Kirkland Lake Area, Timiskaming
District

Depositional Characteristics and Resource Potential of the
Whirlpool Sandstone, Lower Silurian, Ontario

Aggregate Assessment for the County of Lanark

Handbook for Prospectors and Developers in the Kenora Area

See inside for details.



Ministry of
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Hon. Michael Harris
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Mary Mogford
Deputy Minister

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PRECAMBRIAN GEOLOGY PUBLICATIONS

OGS P. NUMBER MAPS

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- P.2738 **Precambrian Geology of the White Lake (Hemlo) Area, Theresa Lake Section, Thunder Bay District (42 C/13).** Geology by G.M. Siragusa, 1984. Scale 1:15 840, or 1 inch to 1/4 mile.
- P.2739 **Precambrian Geology of the White Lake (Hemlo) Area, Animons Lake Section, Thunder Bay District (42 C/12).** Geology by G.M. Siragusa, 1984. Scale 1:15 840, or 1 inch to 1/4 mile.
- P.2828* **Precambrian Geology of Lumby Lake, Western Part, Kenora and Rainy River Districts (52 G/3).** Geology by M.C. Jackson, P. Chevalier, and assistants, 1983. Scale 1:15 840 or 1 inch to 1/4 mile.
- P. 2829* **Precambrian Geology of Lumby Lake, Eastern Part, Kenora and Rainy River Districts (52 G/3).** Geology by M.C. Jackson and assistants, 1982. Scale 1:15 840 or 1 inch to 1/4 mile.

*This project was funded equally by the Governments of Canada and Ontario under the Northern Ontario Rural Development Agreement (NORDA).

OGS COLOURED GEOLOGICAL MAP

All coloured maps are \$1.00 each (plus Ontario Sales Tax) unless otherwise specified. Sales Tax applies to Ontario Residents only.

- Map 2467 **Calm Lake, Rainy River District (52 C/9,16).** Geology by S.L. Fumerton, E.L. Bumgarner, and assistants, 1980. Scale 1:31 680 or 1 inch to 1/2 mile.
(Stock No. 10 663)

**PRECAMBRIAN GEOLOGY
PUBLICATIONS**

Map 2497 **MacDowell Lake, Kenora District (53 C/2; 53 C/7).**
Geology by J. Wood, H.L. Gibson and T. Carter,
1975.
Scale 1: 31 680 or 1 inch to 1/2 mile.
(Stock No. 10 693) Price: \$1.00

OGS OPEN FILE REPORTS

OFR 5534* **Geology of the Lumby Lake Area, Western Half,**
District of Kenora and Rainy River (52 G/3); by
M.C. Jackson, 150p., 18 figures, 18 tables.
Accompanied by Map P.2828 in back pocket.

Mapping of the Lumby Lake area over a two
year period at a scale of 1:15 840 was
equally funded by the Governments of
Canada and Ontario under the Northern
Ontario Rural Development Agreement
(NORDA). The aim of the minerals component
of this agreement is to provide a modern
geological database both as a stimulus to
mineral exploration and an aid to resource
assessment and land use planning. The
specific goal of mapping in the Lumby Lake
greenstone belt is to acquire up-to-date
knowledge of an area with gold and base
metal potential and thereby reduce the
dependence of the Atikokan area economy on
iron ore.

On file at Mines Library, Toronto, and Resident
Geologists' Offices, Thunder Bay and Kenora.

OFR 5535* **Geology of the Lumby Lake Area, Eastern Half,**
District of Kenora and Rainy River (52G/3); by
M.C. Jackson, 120p., 12 figures and 7 tables,
accompanied by Map P. 2829 in back pocket.

On file at Mines Library, Toronto, and Resident
Geologists' Offices, Thunder Bay and Kenora.

*This project was funded equally by the Governments of
Canada and Ontario under the Northern Ontario Rural
Development Agreement (NORDA).

MINERAL DEPOSITS PUBLICATIONS

OGS P. NUMBER MAP

All P. Number Maps are 50 cents each (plus Ontario Sales Tax) unless otherwise specified. Sales Tax applies to Ontario Residents only.

P.2737⁺ **Base Metal, Molybdenum, and Precious Metal Deposits of the Madoc-Sharbot Lake Area, Southern Ontario (31C).** Compilation by J. Malczak, 1984.
Scale 1:125 000

OGS OPEN FILE REPORTS

OFR 5548⁺ **Base Metal, Molybdenum and Precious Metal Deposits of the Madoc-Sharbot Lake Area, Southeastern Ontario** by J. Malczak, T.R. Carter, and J.S. Springer, 374p., 54 tables, 35 figures. Accompanied by Map P.2737 in back pocket.

The Ministry of Natural Resources began a program to further investigate mineral resources in eastern Ontario in 1977 as part of a Mineral Resources Assessment Project, funded equally by the Federal Department of Regional Economic Expansion under the Community and Resource Development Subsidiary Agreement. The intent, to provide a compilation of mineral deposits in their geological context, resulted in inventories for specific areas dealing with particular commodities. The present volume is the mineral inventory for the western section (1:250 000 NTS sheet 31C "Kingston") which formed part of the data base for the summary report.

On file at Mines Library, Toronto, and Resident Geologists' Offices, Kemptville and Tweed.

⁺This project is part of the Southeastern Ontario Geological Survey (SOGS) which was funded equally by the Federal Department of Regional Economic Expansion (DREE) and the Ontario Ministry of Natural Resources under the Minerals Program of the Eastern Ontario Subsidiary Agreement.

ENGINEERING AND TERRAIN PUBLICATIONS

OGS P.NUMBER MAPS

All P. Number Maps are 50 cents each (plus Ontario Sales Tax) unless otherwise specified. Sales Tax applies to Ontario Residents only.

- P.2717 **Paleozoic Geology of the Russell-Thurso Area, Southern Ontario (31 G/6, 11). Geology by D.A. Williams, A.M. Rae, and R.R. Wolf, 1982. Scale 1:50 000.**
- P.2718 **Paleozoic Geology of the Hawkesbury-Lachute Area, Southern Ontario (31 G/9,10). Geology by D.A. Williams, A.M. Rae, and R.R. Wolf, 1982. Scale 1:50 000.**
- P.2719 **Paleozoic Geology of the Alexander-Vaudreuil Area, Southern Ontario (31 G/7,8). Geology by D.A. Williams, A.M. Rae, and R.R. Wolf, 1982. Scale 1:50 000.**
- P.2720 **Paleozoic Geology of the Cornwall-Huntingdon Area, Southern Ontario (31 G/12). Geology by D.A. Williams, R.R. Wolf, and D.M. Carson, 1981, 1982. Scale 1:50 000.**
- P.2721 **Paleozoic Geology of the Winchester Area, Southern Ontario (31 G/3). Geology by D.A. Williams, R.R. Wolf, and D.M. Carson, 1981-1982. Scale 1:50 000.**
- P.2722 **Paleozoic Geology of the Morrisburg Area, Southern Ontario (31 B/14). Geology by D.A. Williams, R.R. Wolf, and D.M. Carson, 1981-1982. Scale 1:50 000.**
- P.2734++ **Quaternary Geology of the Lightning River Area, District of Cochrane (32 D/12). Geology by U.J. Vagners, S.J. Courtney and assistants, 1983. Scale 1:50 000.**
- P.2735++ **Quaternary Geology of the Matheson Area, Cochrane District (42 A/9). Geology by U.J. Vagners, 1983. Scale 1:50 000.**

**ENGINEERING AND TERRAIN
PUBLICATIONS**

- P.2827 **Quaternary Geology of the Port Stanley Area,**
Southern Ontario (40 I/11). Geology by A.
Dreimanis and P.J. Barnett, 1964, 1968, 1969,
1970, 1984.
Scale 1:50 000.
- P.2835 **Paleozoic Geology of St. Joseph Islands, Algoma**
District (41 J/4,5; 41 K/1E, 8E). Geology by D.J.
Russell, 1982.
Scale 1:50 000.
- P.2849 **Quaternary Geology of the White Lake (Hemlo)**
Area, Thunder Bay District (42 C/13). Geology by
R.S. Geddes and A.F. Bajc, 1984.
Scale 1:50 000
- P.2850 **Quaternary Geology of the Cedar Lake (Hemlo)**
Area, District of Thunder Bay (42 C/12). Geology
by R.S. Geddes and A.F. Bajc, 1984.
Scale 1:50 000.

++This project is part of Operation Black River-Matheson
(BRiM) which was funded equally by the Ontario Ministry of
Northern Affairs and the Ontario Ministry of Natural
Resources.

OGS OPEN FILE REPORTS

- OFR 5552 **Aggregate Resources Inventory of Hullett**
Township, Huron County (30 P/11), by staff of the
Engineering and Terrain Geology Section, 78p., 7
tables, 5 figures, 4 appendices and 3 maps in back
pocket.

This report presents an inventory of sand
and gravel as well as bedrock resources in
Hullett Township, Huron County.
Significant reserves of sand and gravel
have been selected for possible resource
protection within the township. Resources
of bedrock-derived aggregates are,
however, limited.

This report supplies valuable information
which will be beneficial in resource
planning.

On file at the Mines Library, Toronto, and the
Regional Geologist's Office in London.

**ENGINEERING AND TERRAIN
PUBLICATIONS**

OFR 5553+++ Quaternary Geology of the Kirkland Lake Area (32 D/4,5; 42 A/1,8) by C.L. Baker, 149p., 10 figures, 7 tables and 15 photos. Accompanied by Maps P.2290, P.2381, P.2382 and P.2483.

The Kirkland Lake area is situated along the continental drainage divide in northeastern Ontario. The bedrock geology of the area consists of Early Precambrian (Archean) metamorphosed intrusive and layered assemblages and an unmetamorphosed Middle Precambrian (Proterozoic) layered assemblage. Drift thicknesses on the rock highlands are generally shallow (1-2 m), with outcrops common, although drift in excess of 30 m is found in the intervening valleys.

Large deposits of aggregate material in the report area are of sufficient volume to meet local demand for the foreseeable future. The map-area also contains large volumes of clay and peat, although to date there has been no commercial venture using or extracting these resources.

On file at Mines Library, Toronto, and the Resident Geologist's Office in Kirkland Lake.

+++ This project was part of the Kirkland Lake Initiatives Program (KLIP) which was funded equally by the Federal Department of Regional Economic Expansion (DREE) and the Ontario Ministry of Northern Affairs under the Community and Rural Resource Development Subsidiary Agreement.

OGS

MISCELLANEOUS PUBLICATIONS

OGS P. NUMBER MAPS

All P. Number Maps are 50 cents each (plus Ontario Sales Tax) unless otherwise specified. Sales Tax applies to Ontario Residents only.

- P.2611 **Geology and Mineral Deposits of the Kingston Area, Southern Ontario (31C).** Compilation by P.W. Kingston, V.C. Papertzian, D.A. Williams, A.E. McKay, and S. Van Haaften, 1978-1982. Scale 1:125 000.
(Stock No. 12 312) Price:\$2.00
- P.2621⁺ **Sand and Gravel Assessment, Lanark County, North Half, Southern Ontario (31 F/1,2,7,8; 31 C/15,16).** Field study and compilation by G.A. Gorrell, S. Margeson, J. Lindablom and R. Trotter, 1980 - 1983. Scale 1:50 000.
(Stock No. 12 314) Price:\$1.50
- P.2622⁺ **Sand and Gravel Assessment, Lanark County, South Half, Southern Ontario (31 B/13; 31 C/9,10,15,16; 31 F/1;31 G/4).** Field study and compilation by G.A. Gorrell, S. Margeson, J. Lindablom and R. Trotter, 1980 - 1983. Scale 1:50 000.
(Stock No. 12 315) Price:\$1.50
- P.2832⁺ **Bedrock Aggregate Assessment, Lanark County, North Half, Southern Ontario (31 F/1,2,7,8; 31 C/15,16).** Field study and compilation by S. van Haaften, 1984. Scale 1:50 000.
(Stock No. 12 316) Price: \$1.50
- P.2833⁺ **Bedrock Aggregate Assessment, Lanark County, South Half, Southern Ontario (31 B/13; 31 C/9,10,15,16; 31 F/1; 31 G/4).** Field study and compilation by S. van Haaften, 1984. Scale 1:50 000.
(Stock No. 12 317) Price: \$1.50

⁺This project is part of the Southeastern Ontario Geological Survey (SOGS) which was funded equally by the Federal Department of Regional Economic Expansion (DREE) and the Ontario Ministry of Natural Resources under the Minerals Program of the Eastern Ontario Subsidiary Agreement.

OGS GEOLOGICAL DATA INVENTORY FOLIOS

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- GDIF 195** **Geological Data Inventory of Cole Township,**
District of Timiskaming (41 P/8). Compiled by the
staff of the Resident Geologist's Office, Cobalt,
18p. and 1 map.
- GDIF 196** **Geological Data Inventory of Yates Township,**
District of Nipissing (31 L/13; 41 I/16). Compiled
by the staff of the Resident Geologist's Office,
Cobalt, 22p. and 2 maps.
- GDIF 197** **Geological Data Inventory of Askin Township, -**
District of Nipissing (31 L/13). Compiled by the
staff of the Resident Geologist's Office, Cobalt,
18p. and 2 maps.
- GDIF 198 **Geological Data Inventory of Hartle Township,**
District of Nipissing (31 L/13). Compiled by the
staff of the Resident Geologist's office, Cobalt,
18p. and 1 map.
- GDIF 199** **Geological Data Inventory of Flett Township,**
District of Nipissing (31 L/13). Compiled by the
staff of the Resident Geologist's Office, Cobalt,
28p. and 2 maps.
- GDIF 200** **Geological Data Inventory of Gooderham Township,**
District of Nipissing (31 L/13; 31 L/12). Compiled
by the staff of the Resident Geologist's Office,
Cobalt, 18p. and 1 map.
- GDIF 205° **Geological Data Inventory of Little Santoy Lake**
Area, District of Thunder Bay (42 D/15SW). Compiled
by the Resident Geologist's Office, Thunder Bay,
30p. and 2 maps.
- GDIF 221** **Geological Data Inventory of Victoria Township,**
District of Sudbury (41 J/1,8); compiled by the
staff of the Resident Geologist's Office, Sudbury,
24p. and 2 maps.
- GDIF 222** **Geological Data Inventory of Harrow Township,**
District of Sudbury (41 I/4; 41 J/1); compiled by
the staff of the Resident Geologist's Office,
Sudbury, 20p. and 2 maps.

**This project was funded by the Ontario Ministry of Northern
Affairs through the Northern Ontario Geological Survey
(NOGS) Program.

°This project was funded by the Ministry of Northern Affairs.

OGS OPEN FILE REPORTS

- OFR 5549 **Depositional Characteristics and Resource Potential of the Whirlpool Sandstone, Lower Silurian, Ontario** (30 M/13; 40 P/16; 31 D/4; 41 A/1); by I. Peter Martini and James K.P. Kwong, 70p., 12 tables, 16 figures, and 2 appendices.

This second stage of the study on the Depositional Characteristics of the Whirlpool Sandstone, Lower Silurian, Ontario, is an extension of the earlier study published as Open File Report 5363. With the publication of this report on Inglewood-Orangeville area, the study of the Whirlpool Sandstone is now concluded.

Regional sedimentological analysis shows that Sandstone with good 'reed' and relatively shallow overburden is likely to occur in parts of Milton-Limehouse, Limehouse-New Smithson Quarry, and Terra Cotta-Inglewood areas. Parts of the Whirlpool Sandstone could meet the requirements for silica sands.

On file at Mines Library, Toronto, and Regional/Resident Geologists' Offices, London and Richmond Hill.

- OFR 5550+ **Aggregate Assessment for the County of Lanark** (31 F/1-4; 31 C/9,10,15,16; 31 B/13; 31 G/4) by G.A. Gorrell, S. van Haaften and T.W. Fletcher, 96p., 19 tables. Accompanied by Maps P.2621, P.2622, P.2832 and P.2833.

The sand and gravel reserves within the County of Lanark reflect the terrain diversity. There are 94 million, 830 thousand cubic metres of material available within the County of Lanark. However, only five townships, have significant reserves. These western townships, (Dalhousie, Darling, Lanark, Lavant and North Sherbrooke) have 87 percent of the available material, and 98 percent of Class 1 and Class 2 sand and gravel.

OGS

MISCELLANEOUS PUBLICATIONS

The other nine townships (Bathurst, Beckwith, Drummond, Montague, North Burgess, North Elmsley, Pakenham, Ramsay and South Sherbrooke), have an acute lack of high quality sand and gravel. There are many deposits, but the quality of the aggregate is poor.

On file at Mines Library, Toronto, and Resident Geologists' Offices, Kemptville, Tweed, and Bancroft.

+This project is part of the Southeastern Ontario Geological Survey (SOGS) which was funded equally by the Federal Department of Regional Economic Expansion (DREE) and the Ontario Ministry of Natural Resources under the Minerals Program of the Eastern Ontario Subsidiary Agreement.

OFR 5551* **Handbook for Prospectors and Developers in the Kenora Area**, by H.G. Clark, 78p., 4 appendices, 5 tables, 9 figures, 1 chart.

The Handbook for Prospectors and Developers in the Kenora Area provides a guide for persons interested in gold exploration and development in the Kenora area. Most of the information contained in this handbook applies to gold in particular but is applicable to other mineral commodities.

On file at Mines Library, Toronto, and Resident Geologists' Offices, Kenora, Red Lake, Sioux Lookout, Thunder Bay.

*This project was funded equally by the Governments of Canada and Ontario under the Northern Ontario Rural Development Agreement (NORDA).

Most publications listed in this Release Notice, except Open File Reports, are also available for sale at the Mining Recorder's Office responsible for the area covered by the publication. Publications that are of Province-wide interest are available at all Mining Recorders' Offices in Northern Ontario. Publications dealing with areas that fall in the jurisdiction of the Mining Recorder's Office in Toronto are sold at the Public Service Centre, Whitney Block, and Reports only are available at the Ontario Government Bookstore, 880 Bay Street.

<u>Mining Recorder's Office</u>	<u>Publication</u>
Ministry of Natural Resources Ontario Government Building Box 324 Red Lake, Ontario P0V 2M0	Map 2497
Ministry of Natural Resources 808 Robertson Street Kenora, Ontario P9N 3X7	P.2828, P.2829, Map 2467
Ministry of Natural Resources 4 Government Rd. E. Kirkland Lake, Ont. P2N 1A2	P.2734, P.2735
Ministry of Natural Resources 875 Queen St. E. Sault Ste. Marie, Ont. P6A 5N2	P.2738, P.2739, P.2849, P.2850, GDIF 221 GDIF 222
Ministry of Natural Resources 435 James St. S., P.O. Box 5000 Thunder Bay, Ontario P7C 5G6	P.2828, P.2829, P.2738, P.2739, Map 2467, P.2849, P.2850, GDIF 205
Ministry of Natural Resources Ontario Government Building 199 Larch Street, 10th Floor Sudbury, Ontario P3E 5P9	GDIF 195 - 200, GDIF 221, GDIF 222

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(416) 965-0190

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Orders for those publications received prior to the release will be filled on that date.

22/3/85

ERRATUM

Ontario Geological Survey
Miscellaneous Paper 122
Report of Activities 1984
Regional and Resident Geologists

Timmins Resident Geologist Area, Northern Region

page 157 column II, paragraph 3 and
 column III, paragraph 1

Kidd Creek Mines Limited should read

Kidd Resources Incorporated

SPECIAL ANNOUNCEMENT

Inventory of Rock and Mineral Collecting Sites in the Bancroft Area, Volume 1. Compiled by the Staff of the Resident Geologist's Office, Ministry of Natural Resources, Bancroft, Ontario.

Tourism related to mineral collecting is an important part of the economy of the Bancroft area. In order to determine the number of collecting sites available and their geographical distribution, this inventory was compiled. It is a compilation of all known mineral collecting localities obtained from the references listed at the back of Volume II. This inventory contains 492 mineral collecting sites representing 180 different minerals.

This inventory is available for inspection during regular office hours at the office of the Bancroft and District Chamber of Commerce, The Old Station, Bancroft, and the District Office, Ministry of Natural Resources, Bancroft, as well as the Regional Office, Ministry of Natural Resources, Brendale Square, Huntsville, Ontario.



International Symposium on the Geology of Gold Deposits Toronto, September 29 – October 1, 1986

FIRST NOTICE

The Mineral Deposits Division of the Geological Association of Canada, the Toronto Geological Discussion Group, the Ontario Geological Survey — Ministry of Natural Resources and the Society of Economic Geologists will jointly host an International Symposium on the geology of gold deposits, in Toronto, Canada on September 29th to October 1st, 1986.

Emphasis will be on descriptions of individual gold deposits, particularly those of relatively recent discovery. GOLD '86 is timed to coincide with the opening of a number of new gold mines around the world, and especially those at Hemlo, Ontario. It is hoped that a better understanding will be obtained of the fundamental principles underlying gold mineralization processes and depositional environments.

A series of pre and post-Symposium field trips are being planned to eastern Canadian gold mining camps. There will also be a commercial exhibit area, poster displays, and a "core-shack" of specimens from the deposits described at the Symposium.

The papers presented at GOLD '86 will be published in a Special Volume which will be available at the meeting. Potential speakers/authors are invited to submit an abstract/outline of their paper (not exceeding 1,000 words, not necessarily for publication) to the Program Committee at the address below by September 30th, 1985. Final papers will be required by no later than March 31st, 1986. Grants may be available to assist travel of specific speakers to Toronto for the Symposium. Abstracts/outlines should be sent to GOLD '86, Selco Division of BP Canada Inc., 55 University Avenue, Suite 1700, Toronto, Canada, M5J 2H7.

1400N
NR 140
- P60

PUBLICATIONS RELEASE NOTICE

OCTOBER 10, 1985

List No. 10/85

Mineral Resources Group (Ontario Geological Survey & Mineral Resources Branch)

This month's publications include:

1 OGS Precambrian Geology Preliminary Map

1 OGS Miscellaneous Paper

Geology and Petrogenesis of the Archean Abitibi Belt in the
Kirkland Lake Area

4 OGS Final Reports

Geology of the Calm Lake Area, District of Rainy River

Geology of Sharbot Lake Area, Frontenac and Lanark Counties

Geology of Slate Falls Area, District of Kenora (Patricia Portion)

Physical Volcanology and Stratigraphy of the Confederation Lake
Area, District of Kenora (Patricia Portion)

1 OGS Final Map

Ontario Mineral Map

6 OGS Geological Data Inventory Folios

See inside for details.



**Ministry of
Northern Affairs
and Mines**

**René Fontaine
Minister
David Hobbs
Deputy Minister**

Publications of the Ontario Geological Survey are available from the following sources:

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Toronto, Ontario

Reports and accompanying maps only (mail order or telephone orders):

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5th Floor, 880 Bay Street
Toronto, Ontario M7A 1N8
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Toll-free long distance, 1-800-268-7540 (Ontario only)
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Ontario Geological Survey Open File Reports are also available on microfiche for \$2.00 each. Microfiche copies of OGS Open File Reports are available at the Mines Library, 8th Floor, 77 Grenville Street and at the Public Information Centre, Room 1640, Whitney Block, Queen's Park, Toronto, Ontario. M7A 1W3

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(416) 291-9595

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Please note there has been a change in the supplier for Open File Reports.

For a complete list of final reports issued by the Mineral Resources Group please consult OGS MP77 (\$2.00) and OGS MP77 Supplements (\$2.00 each).
Sales Tax applies to Ontario Residents only and applies to maps and microfiche only.
Seven percent Tax should be calculated on total amount of MAP and MICROFICHE order.

PRECAMBRIAN GEOLOGY PUBLICATIONS

OGS P. NUMBER MAPS

All P.Number maps are 50 cents each (plus Ontario Sales Tax) unless otherwise specified. Sales Tax applies to Ontario Residents only. Please calculate the Ontario Sales Tax on the total cost of your taxable order.

- P.2636 Precambrian Geology of LeClaire Township, District of Algoma (NTS 42C/2,7). Geology by R.P. Sage and assistants, 1981-1984.
Scale 1: 15 840 or 1 inch to 1/4 mile.

OGS MISCELLANEOUS PAPER

- MP 123 Geology and Petrogenesis of the Archean Abitibi Belt in
the Kirkland Lake Area, by L.S. Jensen and F.F. Langford,
130p. Accompanied by Maps P.2434 and P.2435, scale
1:63 360 or 1 inch to 1 mile and 1 sheet of microfilm.
(Stock Number 6814) Price: \$2.00

OGS REPORTS

- | | | |
|---------|--|---------------|
| REPORT* | Geology of the Calm Lake Area, District of Rainy River | |
| 226 | by S.L. Fumerton, 72 p. Accompanied by Map 2467, scale | |
| | 1: 31 680 or 1 inch to 1/2 mile. | |
| | (Stock Number 6440) | Price: \$5.00 |
| REPORT | Geology of the Sharbot Lake Area, Frontenac and Lanark | |
| 228 | Counties, Southern Ontario, by J.M. Wolff, 70p. | |
| | Accompanied by Map 2471, scale 1: 31 680 or 1 inch | |
| | to 1/2 mile. | |
| | (Stock Number 6442) | Price: \$5.00 |
| REPORT | Geology of the Slate Falls Area, District of Kenora | |
| 232 | (Patricia Portion), by Henry Wallace, 85p. Accompanied | |
| | by Maps 2481 and 2482, scale 1: 31 680 or 1 inch | |
| | to 1/2 mile. | |
| | (Stock Number 6446) | Price: \$5.00 |
| REPORT | Physical Volcanology and Stratigraphy of the Confederation | |
| 236 | Lake Area, District of Kenora (Patricia Portion), by | |
| | P.C. Thurston, 117p. Accompanied by Map 2498, scale | |
| | 1: 50 000. | |
| | (Stock Number 6450) | Price: \$5.00 |

+This project was funded through the Northern Ontario Geological (NOGS) Program.

MINERAL DEPOSITS PUBLICATIONS

OGS FINAL MAP

Map 2472 Ontario Mineral Map. Compiled by the staff of the Ontario Geological Survey, scale 1:1 584 000 or 1 inch to 25 miles.
(Stock Number 10668) Price: \$2.00+OST

This map replaces Map 1957A which is no longer in print.

OGS MISCELLANEOUS PUBLICATIONS

OGS GEOLOGICAL DATA INVENTORY FOLIOS

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- GDIF 241 Geological Data Inventory of Munster Township, District of Sudbury (41 I/13,14). Compiled by the staff of the Resident Geologist's Office, Sudbury, 16p. and 2 maps.
- GDIF 244 Geological Data Inventory of Hess Township, District of Sudbury (41 I/11). Compiled by the staff of the Resident Geologist's Office, Sudbury, 26p. and 2 maps.
- GDIF 245 Geological Data Inventory of Hart Township, District of Sudbury (41 I/12). Compiled by the staff of the Resident Geologist's Office, Sudbury, 22p. and 2 maps.
- GDIF 267* Geological Data Inventory of Lamplugh Township, District of Cochrane (32 D/12). Compiled by the staff of the Resident Geologist's Office, Kirkland Lake 14p. and 2 maps.
- GDIF 268* Geological Data Inventory of Frecheville Township, District of Cochrane (32 D/12). Compiled by the staff of the Resident Geologist's Office, Kirkland Lake 16p. and 2 maps.
- GDIF 273* Geological Data Inventory of Marriot Township, District of Cochrane (32 D/5,12). Compiled by the staff of the Resident Geologist's Office, Kirkland Lake 20p. and 2 maps.

*This project is part of Operation Black River-Matheson (BRiM) which was funded equally by the Ontario Ministry of Northern Affairs and Mines and the Ontario Ministry of Natural Resources.

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60 Wilson Ave Timmings P4N 2S7	Map 2472
199 Larch St, 10th Floor Sudbury P3E 5P9	Map 2472, GDIF 241, 244, 245
4 Government Rd, East Kirkland Lake P2N 1A2	MP 123, Map 2472, GDIF 267, 268, 273

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18/09/85



Ministry of
Northern Affairs
and Mines

René Fontaine
Minister
David Hobbs
Deputy Minister

ONTARIO GEOLOGICAL SURVEY RESEARCH SEMINAR and OPEN HOUSE

December 4th and 5th, 1985

Macdonald Block, Queen's Park
Toronto, Ontario

Symposium: *Operation Black River - Matheson (BRiM)*

Other topics include studies in:

- economic geology
- precambrian geology
- industrial minerals
- engineering and terrain geology
- geophysics
- geochemistry
- regional activities
- university and industry grant research

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PUBLICATIONS RELEASE NOTICE

OCTOBER 11, 1984

List No. 10/84

Mineral Resources Group (Ontario Geological Survey & Mineral Resources Branch)

This month's publications include:

5 OGS Open File Reports

Geology of the Lavant Area

Peat and Peatland Evaluation of the Kingston-Belleville Area,
Volumes 1-7

Peat and Peatland Evaluation of the Ottawa-Brockville Area,
Volumes 1-5

Heap Leaching in Ontario: An Example

The Gold Potential of the Huntsville-Parry Sound Area

1 OGS Miscellaneous Publication

General Index to Published Reports, Mineral Resources Group,
Volume 9, 1976-1980

16 OGS Geological Data Inventory Folios

See inside for details.



Ministry of
Natural
Resources

Hon. Alan W. Pope
Minister

John R. Sloan
Deputy Minister

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PRECAMBRIAN GEOLOGY PUBLICATIONS

OGS Open File Report

OFR 5519+ **Geology of the Lavant Area, Lanark and Frontenac Counties (31 F/1, 2, 7, 8; 31 C/7-10, 15, 16); by Liba Pauk, 129p., 11 tables, 3 figures, 4 photos and 1 map in back pocket.**

The Lavant area covers about 250 km² and is located 85 km southwest of the City of Ottawa and is 92 km north-northwest of the City of Kingston.

All the bedrock in the map area is of Late Precambrian age. The oldest rocks are metavolcanics and metasediments which are correlative with the Hermon and Mayo Groups of the Grenville Supergroup. There are several mineral occurrences in the area. A barite-sulphide mineralization was discovered within the succession of carbonate metaclastic rocks in the northwestern part of the area in the late 1910s. Since that discovery considerable mineral exploration had led to the delineation of a copper-silver-antimony-mercury deposit. A major shear zone, the Robertson Shear Zone is located in the middle of the map area. Recently numerous occurrences of antimony, mercury, silver and gold have been found within the shear zone.

On file at Mines Library, Toronto, and Resident Geologists' Offices, Bancroft, Tweed, and Kemptville.

+This project was part of the Southeastern Ontario Geological Survey (SOGS) Program which was funded equally by the Federal Department of Regional Economic Expansion (DREE) and the Ontario Ministry of Natural Resources under the Minerals Program of the Eastern Ontario Subsidiary Agreement.

ENGINEERING AND TERRAIN PUBLICATIONS

OGS Open File Reports

OFR 5490++ **Peat and Peatland Evaluation of the Kingston-Belleville Area, Volumes 1-7 (31 C/2, 3);** by Gartner Lee Associates Ltd., 214p., numerous tables and maps.

This report is one of a series of peat and peatland resource reports planned for study areas across Ontario. Field methods and data analysis are standardized through a common set of fieldwork and mapping guidelines prepared by the Ontario Geological Survey. Cores obtained from drilling have been analyzed for moisture content, bulk density, absorptive value, acidity, fibre content, and calorific value. Elemental analyses include carbon, nitrogen, oxygen, calcium, potassium, phosphorus, aluminum, copper, and zinc. In addition, elements such as sulphur, lead, arsenic, and mercury and other potential pollutants that might be potential by-products of gasification are analyzed.

On file at Mines Library, Toronto, and Resident Geologists' Offices, Tweed, Kemptville.

OFR 5491++ **Peat and Peatland Evaluation of the Ottawa-Brockville Area, Volumes 1-5 (31 B/5, 12, 13; G/4, 5);** by Bird and Hale Ltd., 217p., numerous tables and maps.

In this report results of the Peat Evaluation Study of the Ottawa-Brockville Area is presented. This report is one of a series of peat and peatland reports planned for study areas across Ontario. Seven areas have been selected for study. These are Rainy River, Ignace, Poleyet, New Liskeard, Parry Sound, Ottawa-Brockville and Kingston-Belleville.

On file at Mines Library, Toronto, and Resident Geologists' Offices, Tweed, Kemptville.

++This project was part of the Hydrocarbon Energy Resources Program (HERP), and was funded by the Ontario Ministry of Treasury and Economics under the Board of Industrial Leadership and Development (BILD) Program.

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MISCELLANEOUS PUBLICATIONS

General Index Volume 9* **General Index to Published Reports, Mineral Resources Group, Volume 9, 1976-1980;** prepared by the staff of the Geoscience Data Centre, Ontario Geological Survey, 348p.
(Stock No. 6972) Price: \$5.00

OGS Geological Data Inventory Folios

All GDIF are \$1.00 each (plus Ontario Sales Tax) unless otherwise specified. Sales Tax applies to Ontario Residents only.

- GDIF 179** **Geological Data Inventory of Monmouth Township,** County of Haliburton (31 D/16, 31 E/1). Compiled by the staff of the Resident Geologist's Office, Bancroft, 110p. and 3 maps.
- GDIF 180** **Geological Data Inventory of Limerick Township,** Hastings County (31 C/13). Compiled by the staff of the Resident Geologist's Office, Bancroft, 26p. and 2 maps.
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- GDIF 184* **Geological Data Inventory of Olive Township,** District of of Nipissing (31 L/13). Compiled by the staff of the Resident Geologist's Office, Cobalt, 18p. and 2 maps.
- GDIF 185* **Geological Data Inventory of Sisk Township,** District of Nipissing (31 L/12, 13). Compiled by the staff of the Resident Geologist's Office, Cobalt, 18p. and 1 map.
- GDIF 186° **Geological Data Inventory of Poplar Point (Dorothea Township) Area,** District of Thunder Bay (52 H/9 NE). Compiled by the staff of the Resident Geologist's Office, Thunder Bay, 24p. and 2 maps.

- GDIF 187° **Geological Data Inventory of Maryjane Lake Area,** District of Thunder Bay (52 H/9 SE). Compiled by the staff of the Resident Geologist's Office, Thunder Bay, 18p. and 2 maps.
- GDIF 188° **Geological Data Inventory of Pijitawabik Bay (Kilkenny Township) Area,** District of Thunder Bay (52 N/8 NE). Compiled by the staff of the Resident Geologist's Office, Thunder Bay, 22p. and 2 maps.
- GDIF 189° **Geological Data Inventory of Hanson Lake Area,** District of Thunder Bay (52 H/1 NE). Compiled by the staff of the Resident Geologist's Office, Thunder Bay, 16p. and 2 maps.
- GDIF 190° **Geological Data Inventory of Manitouwadge Lake Area,** District of Thunder Bay (42 F/4 NW). Compiled by the staff of the Resident Geologist's Office, Thunder Bay, 50p. and 3 maps.
- GDIF 191° **Geological Data Inventory of Loken Lake Area,** District of Thunder Bay (42 F/4 NE). Compiled by the staff of the Resident Geologist's Office, Thunder Bay, 32p. and 2 maps.
- GDIF 192° **Geological Data Inventory of McGraw Lake Area,** District of Thunder Bay (42 F/4 SE). Compiled by the staff of the Resident Geologist's Office, Thunder Bay, 14p. and 2 maps.
- GDIF 193° **Geological Data Inventory of Poch Lake Area,** District of Thunder Bay (42 F/3 NW). Compiled by the staff of the Resident Geologist's Office, Thunder Bay, 16p. and 2 maps.
- GDIF 194° **Geological Data Inventory of Black River Area,** District of Thunder Bay (42 C/13 NE). Compiled by the staff of the Resident Geologist's Office, Thunder Bay, 16p. and 2 maps.

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- OFR 5520° **Heap Leaching in Ontario: An Example;** by W.J. Witte and M.K. Witte, Witteck (WDI) Development Inc., 47p., 7 figures and 9 appendices.

Presented in this report is a generalized preliminary design and cost estimates for a typical heap leach operation such as might be undertaken in Northern Ontario. This report should be of value to anyone in the mining industry planning, or contemplating, a heap leaching operation in Ontario, either on a large or small scale. While more detailed costing and design work will obviously be required for each specific project being contemplated, the data provided in this report should enable parties to make preliminary estimates of the costs of proposed projects and should identify most of the planning and design parameters that will need to be considered.

On file at Mines Library, Toronto, and all
Regional/Resident Geologists' Offices.

OFR 5521 **The Gold Potential of the Huntsville-Parry Sound Area
of Ontario (31 E; 41 H);** by D.J. Villard, Rick Keevil,
and A. Hogg, 58p., 2 maps and numerous figures.

This report summarizes the results of the first stage
of a project to evaluate the gold potential of the
Central Gneiss Belt within the Algonquin Region.
Until now very little was known about the gold
potential in this area. Initial results indicate the
presence of gold and it is hoped that subsequent
reports will provide a better understanding of the
gold potential of the area.

This publication should be of interest to the
minerals industry, particularly the prospectors who
are attempting to explore for gold in the study
area.

On file at the Mines Library, Toronto, and the Resident
Geologist's Office, Huntsville.

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